



ELECTRONIC TUBE REFERENCE

TH347

Power - Tetrode (NOT beam) (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
TETRODE

Forced-air-cooled ceramic-metal coaxial tetrode designed for linear television relay amplifiers. Its broadband power capability supports professional television retransmission.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 7.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
MAXIMUM PLATE VOLTAGE	4500 V
MAXIMUM SCREEN VOLTAGE	650 V
MAXIMUM PLATE DISSIPATION	4500 W
MAXIMUM SCREEN DISSIPATION	25 W
MAXIMUM CATHODE CURRENT	2.5 A

Forced-air-cooled ceramic-metal coaxial tetrode for linear television relay amplifiers.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1972 Thomson CSF

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1972 THOMSON CSF

Section 1 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating Frequency	1000 MHz	—
Maximum Anode Voltage	4500 V	—
Maximum Anode Dissipation	4500 W	—
Maximum Screen/Grid 2 Voltage	650 V	—
Maximum Screen/Grid 2 Dissipation	25 W	—
Maximum/Peak Cathode Current	2.5 A	—
Typical Anode Voltage	3200 V	Class A TV translator
Typical Screen Voltage	600 V	—
Typical Anode Current	400 mA	—
Typical Gain	14 dB	—
Peak Video Power	400 W	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/Filament Voltage	6.3 V	—